

From boatanchors@theporch.com Fri Jul 28 09:14:00 1995
From: mirage!pamars@uhura.neoucom.EDU (P.A.Marshall)
Subject: Re: 6L6Gs
Message-ID: <9507281122.AA17641@mirage>

SP600@aol.com writes:

>
> You can try TYPETRONICS its listed as \$ 9.00 @. I have ordered few time and
> has good prices. Hope this helps.
>

My old standby Fair Radio has new 6L6GCs at \$4, used checked are \$2.50 I think,
used 6L6s are \$7, I just got some for power supply repair, they worked fine in
that usage. The 6L6GCs are sovtek...

Al Marshall "Real Radios Glow in the Dark" almarshall@acm.org

As nightfall does not come at once, neither does oppression. In both
instances, there is a twilight when everything remains seemingly unchanged.
And it is in such twilight that we all must be most aware of change in the
air--however slight--lest we become unwitting victims of the darkness.

Justice William O. Douglas

From boatanchors@theporch.com Fri Jul 28 09:14:00 1995
From: bgraham@tecnet1.jcte.jcs.mil
Subject: 88mh Toroids
Message-ID: <199507281201.HAA22218@uro.theporch.com>

Anyone have a source of those used-to-be-common 88mh
toroids used in all of those filter projects from
way back when ???

Bill N5LMX/DA1WG

From boatanchors@theporch.com Fri Jul 28 09:14:00 1995
From: Grant Youngman <gyoungma@jaws.gtetel.com>
Subject: RE: 88mh Toroids
Message-ID: <Chameleon.950728072225.grant@nq5t.gtetel.com>

On Fri, 28 Jul 1995 07:01:32 -0500 (CDT) bgraham@tecnet1.jcte.jcs.mil wrote:
>

>Anyone have a source of those used-to-be-common 88mh
>toroids used in all of those filter projects from
>way back when ???
>
>Bill N5LMX/DA1WG
>

I've been looking, too, for a fairly long time and haven't found any. Built several audio filters over the years with them, and would like to duplicate one I used to use on the output of an SB-102 -- but I only have ONE 88mh toroid left, and that's not quite enough :-)

Grant/NQ5T

Grant Youngman NQ5T

gyoungma@gtetel.com
us007699@interramp.com

From boatanchors@theporch.com Fri Jul 28 16:21:00 1995
From: Kevin Anderson <anderson@ncrsun2.ncrsun1.ncr.usace.army.mil>
Subject: A QTH list (call for info - correction)
Message-ID: <Pine.SUN.3.91.950728080738.620I-100000@ncrsun2>

Sorry about the bandwidth. I made a potentially fatal (well certainly embarrassing) blunder yesterday: Canada, Belgium, Germany, Italy, Greece, the UK, and anywhere else we have subscribers - you are included in this call for QTH information as well!!!! I didn't mean to sound US nationalistic (despite the fact I work for the US gov't). So please respond.

Name:

Ham Call (if you have one):

Preferred e-mail address:

QTH City/State/Province/Country:

If "suburb", also nearby bigger city:

Again, this is entirely voluntary, as such information may be deemed private to some members on this list. I will not read mail signatures or callbooks to fill the list. Please reply directly (anderson@ncrsun1.ncr.usace.army.mil)

Thanks. Cheers/73. Kevin, KB9IUA

* * * * *

Kevin L. Anderson, CENCR-PD-W, U.S. Army Corps of Engineers

Rock Island District Office, Planning Div.-Waterway Systems
Rock Island, Illinois 61204-2004, USA phone:(309) 794-5586
e-mail: anderson@ncrsun1.ncr.usace.army.mil

*
Opinions expressed here are my own and do not represent the
U.S. Army Corps of Engineers or the Federal Government.

From boatanchors@theporch.com Fri Jul 28 09:14:00 1995
From: "Tony Stalls (K4KY0)" <j38@clark.net>
Subject: Re: A QTH list (call for info)
Message-ID: <Pine.SOL.3.91.950727213629.28320A-100000@clark.net>

On Thu, 27 Jul 1995, Kevin Anderson wrote:

> Name: Tony Stalls
> Ham Call (if you have one): K4KY0
> Preferred e-mail address: j38@clark.net
> QTH City/State: Arlington, VA
> If "suburb", also nearby bigger city: Washington, DC)

(Kevin: For some reason, I cannot get e-mail through to your address.
Three messages have bounced today)

From boatanchors@theporch.com Fri Jul 28 09:14:00 1995
From: k1zat@bah.com
Subject: Re: A QTH list (call for info)
Message-ID: <Pine.SUN.3.91.950727230042.14301A-100000@booz.bah.com>

On Thu, 27 Jul 1995, Tony Stalls (K4KY0) wrote:

> (Kevin: For some reason, I cannot get e-mail through to your address.
> Three messages have bounced today)

Yea me too, twice. I suspect its the return path that has a studder
in it (ncrsun1.ncrsun1.ncr...) Might want to check with your systems
guru's.

Name: JD Delancy
Ham Call (if you have one): K1ZAT
Preferred e-mail address: k1zat@bah.com

QTH City/State: Bryantown, MD
If "suburb", also nearby bigger city: Wash, DC

jd

From boatanchors@theporch.com Fri Jul 28 09:14:00 1995
From: "James P. Rybak" <jrybak@mesa5.Mesa.Colorado.EDU>
Subject: Re: A QTH list (call for info)
Message-ID: <Pine.3.89.9507272141.B11929-0100000@mesa5.mesa.colorado.edu>

Yes, he has ncrsun1 appearing twice in his e-mail address. Take one out.

Jim WOKSD

From boatanchors@theporch.com Fri Jul 28 09:14:00 1995
From: "Carl P. Gottsmann" <kn6al@ecst.csuchico.edu>
Subject: Re: A QTH list (call for info)
Message-ID: <Pine.HPP.3.91.950727203532.20213C-100000@steroid.ecst.csuchico.edu>

Kevin,

Sorry for the bandwidth team; but mine bounced as well... before I even logged off!

Carl Gottsmann, KN6AL
kn6al@ecst.csuchico.edu
Nearest Lg. town: Sacramento
P.O. Box 971
Durham, Ca.
95938-0971

From boatanchors@theporch.com Fri Jul 28 16:21:00 1995
From: steve@hi.com (Steve Byan)
Subject: Re: A QTH list (call for info)
Message-ID: <v02110107ac3e9decb230@[140.243.30.128]>

Hi Tony,

>(Kevin: For some reason, I cannot get e-mail through to your address.
>Three messages have bounced today)

Kevin's return address in the header is bogus. If you just reply to his mail, your reply will bounce. Use the address in his .sig at the bottom of his messages: anderson@ncrsun1.ncr.usace.army.mil

Regards,
-Steve

Steve Byan internet: steve@hi.com
Hitachi Computer Products (America), Inc.
1601 Trapelo Road phone: (617) 890-0444
Waltham, MA 02154 FAX: (617) 890-4998

From boatanchors@the porch.com Fri Jul 28 17:50:00 1995
From: Kevin Anderson <anderson@ncrsun1.ncrsun1.ncr.usace.army.mil>
Subject: A QTH list RFI (return address corrected, I hope)
Message-ID: <Pine.SUN.3.91.950728132034.324C-100000@ncrsun1>

My profuse/embarrassed apologies to the list. In the last three days I had to move our mailbox files and reconfigure our Sun computers (I administer of fleet of various configurations) as to which one was serving as mail server. I thought I had it all working, but then last nights splendid thunderstorms, tornadoes and lightening messed it all up and uncovered some errors I still had lurking. This mornings mail went out with bad return addresses in the headers. They should now correctly read anderson@ncrsun1.ncr.usace.army.mil. My apologies to those trying to reply. Thanks to the one who posted a reply to alert me.

Once again, the correct information list to provide for the QTH directory I'm collating:

Name:

Ham Call (if you have one):

Preferred e-mail address:

QTH City/State/Province/Country:

If "suburb", also nearby bigger city:

Again, this is entirely voluntary, as such information may be deemed private to some members on this list. I will not read mail signatures or callbooks to fill the list. Please reply directly (anderson@ncrsun1.ncr.usace.army.mil)

I better quit while I'm maybe ahead...right, Jack?
Thanks. Cheers/73. Kevin, KB9IUA

*
Kevin L. Anderson, CENCR-PD-W, U.S. Army Corps of Engineers
Rock Island District Office, Planning Div.-Waterway Systems
Rock Island, Illinois 61204-2004, USA phone:(309) 794-5586
e-mail: anderson@ncrsun1.ncr.usace.army.mil
*
Opinions expressed here are my own and do not represent the
U.S. Army Corps of Engineers or the Federal Government.

From boatanchors@theporch.com Fri Jul 28 17:50:00 1995
From: jproc@worldlinx.com
Subject: AM on 2 meters
Message-ID: <Chameleon.4.01.2.950728150619.jproc@>

Dear BA's,

The post from Mikhael Brown about operating AM on 2 meters in SF, raises an overall question. Does anyone still operate AM on 2 meters? If so, are there any gentlemen's frequencies?

Regards,

Jerry Proc, VE3FAB
Radio Restoration Volunteer
HMCS Haida
E-mail: jproc@worldlinx.com
Toronto, Ontario

From boatanchors@theporch.com Fri Jul 28 09:14:00 1995
From: Johnson_Dan@AAC.COM
Subject: anderson@ncrsun1 (was: Re: A QTH list (call for info))
Message-ID: <9507280620.22640.aa@SMROUTER.AAC.COM>

Content-Type: text/plain; charset=US-ASCII

Tony (and anyone else trying to reach Kevin):

It seems that:

anderson@ncrsun1.ncrsun1.ncr.usace.army.mil

may be a malformed return address. This is a common mailer configuration error. I got bounces, too, until I tried:

anderson@ncrsun1.ncr.usace.army.mil

(Note absence of the first "ncrsun1.".) This won't be confirmed until Kevin actually *receives* mail to that address, but it apparently doesn't bounce!

73 de KC4EWT
Johnson_Dan@aac.com

From boatanchors@theporch.com Fri Jul 28 17:50:00 1995

From: rdkeys@unity.ncsu.edu

Subject: ASCII or simple Schematics Software Needed

Message-ID: <199507281811.0AA24151@cc01du.unity.ncsu.edu>

Whilst on the subject of simple transmitters for Boatanchorite playing, I was wondering if there was any sort of general thoughts about any kind of software that would render a low-resolution schematic that could be ascii emailed (like on the list) so that full project howto's including schematics could be done. I know Jeff Herman has rendered some into ascii, but I think he did them by hand the hard way.

My thoughts would be something like a simple drawing package that could either import a scanned drawing and convert it into an ascii bitmap for a dump on a simple dot-matrix or laserjet printer.

A postscript rendition is best, and that is what I use for my high-resolution typeset stuff, but I sure wish there was something for the general list peons to use for simple print-it-on-anything dumps, like the old rtty or lineprinter graphics that we used to do in the ancient BA rtty and computer days (model 15's, pdp-11's, TTY 40 chain printers, etc).

The lowest endian thing I can think of is a simple bitmap dump to a defined dot-matrix printer like the IBM graphics printer or the Epson style things of a few years back. The second might be a standard HPCL dump on a laserjet, but those things are binary and not really ascii printable and would require uuencoding for emailing.

Thoughts or comments appreciated.

The thing must be a freebie so everyone can use it with no strings.

73/ZUT DE NA4G/Bob

From boatanchors@theporch.com Fri Jul 28 17:50:00 1995
From: jproc@worldlinx.com
Subject: RE: ASCII or simple Schematics Software Needed
Message-ID: <Chameleon.4.01.2.950728170050.jproc@>

Bob,

I glad to see that your initiative to produce on-line technical material has not faded away. The biggest problem that you have to overcome is this 'technological tower of Babel' consisting of umpteen different operating systems, applications, CPU platforms, printer types etc..etc.. I'm still having trouble copying E-mail to a Wordperfect file without having to spend a lot of time removing hard returns, soft returns, fooling around with margins, fonts etc. in order to be able to produce a custom document for myself. Your other major enemy is the 'staircase' of computer expertise among the BA members. I suppose that we have everyone from novices to wizards aboard.

You could be on the right track by aiming for something that will work for lower end platforms that many of us may have. Here's an idea - why don't you E-mail a poll with a predefined format of questions? See who has what in the way of CPU's, O/S's, printers etc. Based on the response that you receive, you will then have a much clearer definition of the 'target' user and you will at least get to see if your idea is feasible. In the process you will be able to create a minimum standard for hardware and software that will be required for the receipt of on-line schematics.

Regards,

Jerry Proc, VE3FAB
Radio Restoration Volunteer
HMCS Haida
E-mail: jproc@worldlinx.com
Toronto, Ontario

From boatanchors@theporch.com Fri Jul 28 09:14:00 1995
From: "Ray L. Mote" <rmote@rain.org>
Subject: Re: Aviation nav-comm frequencies

Message-ID: <Pine.SUN.3.91.950727192005.19943B-100000@coyote.rain.org>

On 26 July, you said:

>Aircraft comm transmitters used one fixed frequency, 3105 KHz.

I think you'll find that the second harmonic, 6210 KHz was also used, although not as common as the one you cited. (Source: Fred Raper and his everlasting digging into the "nits & grits".)

On the ADF, Bendix and it's many MN-26 variants deserve mention along with both the AN/ARN-6 and AN/ARN-7.

Also worth mentioning is the DF attachments for the Navy airborne VLF/HF receivers. A prime example would be the Model DU loop used with the Model RU series receivers.

From boatanchors@theporch.com Fri Jul 28 17:50:00 1995

From: rdkeys@unity.ncsu.edu

Subject: Re: AWA

Message-ID: <199507281740.NAA21663@cc01du.unity.ncsu.edu>

>
> Bob, Thanks for passing this news along. Always hate to hear
> of these older pioneers passing.
>
> I would like for you to send me information on AWA. From postings
> I have seen mentioning it, sounds like a good organization to belong to.
>
> 73, Dalton
> N4OYS
>
>

FYI Boatanchorites

Antique Wireless Association, Inc., Box E, Breesport, New York 14816.

Dues --- Joyce Peckham (Secretary), Box E, Breesport, NY, 14816.
tel: (607) 739-5443.

Dues --- 1 yr \$12, 2 yr \$22

Make checks payable to AWA.

The Old Timers Bulletin comes quarterly, and is a glossy 5-1/2 x 8 inch

rag with about 60 pages, packed full of real Boatanchor lore.

I highly recommend it as a definitive historical radio source.

Annual meetings are in Rochester, NY, with regional meetings around the country each year, also. The yearly auctions and flea markets are fabulous events for restocking the BA junquebox or collection. I have been there several times and always overspend me beer budget.

These fellows have been into SERIOUS Boatanchoring since 1952.

There is a great AWA radio museum in an old school, on Main Street in Bloomfield, NY, that is better than most other museums in the world. Walking through that place requires a significant mindset adjustment afterwards to get back to silicon reality. And listening to the KW rotary spark gap set in action is a real trip back into time.

73/ZUT DE NA4G/Bob

From boatanchors@theporch.com Fri Jul 28 17:50:00 1995

From: Michael.J.Knudsen@att.com

Subject: Re: Bakelite

Message-ID: <9507281624.AA10749@bock.ih.att.com>

Nice to know my Bakeline radio cabinets are a single molecule!

Also I remember that the nerdy, yellowish clear plastic eyeglass frames of my youth were borderline explosive. Set a piece on fire and it went up with a flash.

ANd I've read accounts of historians opening a priceless early movie film can and being greeted with a faceful of flame. Or a pile of powder.

I also read that many "recent" movies of the 50s and 60s, even 70s, are now hard to find in good shape, tho that may be wear and tear more than chemical deterioration. 73, mike k

From boatanchors@theporch.com Fri Jul 28 09:14:00 1995

From: markem@primenet.com (Mark Monninger)

Subject: RE: BAs in QST

Message-ID: <199507280210.TAA16252@mailhost.primenet.com>

At 08:40 PM 7/27/95 -0500, James T Hanlon wrote:

> ...

>

> Maybe we should send QST an article on how to build your own BA
> from parts you can find at the hamfest. Say like some of the
> receiving tube transmitters guys have been talking about.
>
Sounds like an excellent idea to me.

Mark AA7TA

From boatanchors@theporch.com Fri Jul 28 17:50:00 1995
From: morgan@speckle.ncsl.nist.gov (Roy Morgan)
Subject: RE: BAs in QST
Message-ID: <9507281823.AA16569@speckle.ncsl.nist.gov>

> Jack Taylor brought up the problem of BA's being driven up in
> price by feature articles in QST.
>
> Maybe we should send QST an article on how to build your own BA
> from parts you can find at the hamfest. Say like some of the
> receiving tube transmitters guys have been talking about.

No, WAIT! I've got it! We'll proclaim the wonders of building one-tube
receivers and transmitters out of TV SET TUBES!

I've got at least a bushel of useless 3- 4- and 5- volt minis. They've
gotta be good for a fad.

Whaddu ya say - brilliant, huh?

-- Roy --
Roy Morgan / Tech A-266 / NIST / Gaithersburg MD 20899
(National Institute of Standards and Technology, formerly NBS)
301-975-3254 Fax: 301-948-6213 Internet: morgan@speckle.ncsl.nist.gov

From boatanchors@theporch.com Fri Jul 28 17:50:00 1995
From: jml@spider.lloyd.com (Jim Lockwood)
Subject: RE: BAs in QST
Message-ID: <m0sbtD0-00100IC@spider.lloyd.com>

At 08:40 PM 7/27/95 -0500, James T Hanlon wrote:
> Jack Taylor brought up the problem of BA's being driven up in
> price by feature articles in QST. An example of that happening
> is the Heath AT-1.

What a prime example....

About three years ago there was an AT-1 that showed up at the SF Bay Area swaps that was absolutely new looking, flawless, mint, and any other adjective you can think of. I remember it being priced at \$35.00, showing up at several swaps, and getting no takers at that price.

Now it's probably a treasured heirloom, listed in someone's will, and priced at ten gazzillion cubic dollars.

C'mon guys, it's just an AT-1....

Jim - km6nk
Resident Boatanchors Price Curmudgeon.

From boatanchors@theporch.com Fri Jul 28 17:50:00 1995
From: doonan@cordmc.dnet.etn.com (DENNIS DOONAN X6916 (KG9DO))
Subject: RE: BAs in QST
Message-ID: <9507281829.AA26377@etn.com>

Great idea! A use for tv set tubes. I was afraid they would never catch on.

BTW, I'll see your bushel and raise you a box full :)

Dennis, KG9DO

From boatanchors@theporch.com Fri Jul 28 17:50:00 1995
From: rdkeys@unity.ncsu.edu
Subject: Re: BAs in QST
Message-ID: <199507281848.0AA25657@cc01du.unity.ncsu.edu>

> > Jack Taylor brought up the problem of BA's being driven up in
> > price by feature articles in QST.
> >
> > Maybe we should send QST an article on how to build your own BA
> > from parts you can find at the hamfest. Say like some of the
> > receiving tube transmitters guys have been talking about.
>
> No, WAIT! I've got it! We'll proclaim the wonders of building one-tube
> receivers and transmitters out of TV SET TUBES!
>
> I've got at least a bushel of useless 3- 4- and 5- volt minis. They've
> gotta be good for a fad.
>

> Whaddu ya say - brilliant, huh?
>
> -- Roy --

NO! Save the good tubes for us BA folks, BUT DO USE UP the old TV tubes with wierd filaments, etc., for play projects en masse.
That is about all they are good for anymore.....(:+{{.....

At hamfests they are almost thrown away, because noone can do anything with them. They are ideal for small breadboard 1/2/3 tube projects, receivers or transmitters.

73/ZUT DE NA4G/Bob

From boatanchors@theporch.com Fri Jul 28 17:50:00 1995
From: rdkeys@unity.ncsu.edu
Subject: Re: BAs in QST
Message-ID: <199507281907.PAA26686@cc01du.unity.ncsu.edu>

>
> Great idea! A use for tv set tubes. I was afraid they would never
> catch on.
> BTW, I'll see your bushel and raise you a box full :)
>
> Dennis, KG9DO
>

I can see it now.....

DUMPSTER DIVERS TREASURE NEW EXOTIC SELF-HEATING GLASS TRANSISTOR MODULES THAT ARE FOUND USEFUL FOR SPECIAL ANTIQUE ELECTRONICS CONSTRUCTION PROJECTS. (Story at 11).

But, think of it --- modern tv replacements for 5 volt '01A's!

Now where DID I put that barrel full of them thar thingies.....

73/ZUT DE NA4G/Bob

From boatanchors@theporch.com Fri Jul 28 17:50:00 1995
From: bill@texan.frc0.com (William Hawkins)
Subject: RE: BAs in QST
Message-ID: <9507281922.AA01167@texan.frc0.com>

Roy Morgan / Tech A-266 / NIST / Gaithersburg MD 20899 said:

>No, WAIT! I've got it! We'll proclaim the wonders of building one-tube
>receivers and transmitters out of TV SET TUBES!

I believe he's absolutly right, but it can be bigger than that. A few articles in the high end audio mags about the superior low frequency response of TV vertical deflection amplifier tubes, and the fantastic clarity of highs using horizontal amplifiers, should divert them from their quest for BA amplifier tubes (except those BA's that used horizontal output finals).

The business of a computerized tube curve analyzer is probably worth pursuing amidst the high-end audio crowd. Probably be worth a few grand to them to be able to print out pedigrees of their favorite harmonic producing output tubes. I've got some ideas ...

Sure glad no one's bid up the fine old test equipment, so you can still get HP gear for 20 - 30 dollars.

Bill Hawkins bill@bvc.frc.com Bloomington, MN (QTH Mall of America)

From boatanchors@theporch.com Fri Jul 28 17:50:00 1995
From: "James C. Owen, III" <owen@apollo.eeel.nist.gov>
Subject: Re: BAs in QST
Message-ID: <55662.owen@apollo.eeel.nist.gov>

In message Fri, 28 Jul 1995 14:13:07 -0500 (CDT),
rdkeys@unity.ncsu.edu writes:

>
>>
>> Great idea! A use for tv set tubes. I was afraid they would never
>> catch on.
>> BTW, I'll see your bushel and raise you a box full :)
>>
>> Dennis, KG9DO
>>
>>
>
> I can see it now.....
>
> DUMPSTER DIVERS TREASURE NEW EXOTIC SELF-HEATING GLASS TRANSISTOR
> MODULES THAT ARE FOUND USEFUL FOR SPECIAL ANTIQUE ELECTRONICS
> CONSTRUCTION PROJECTS. (Story at 11).
>
> But, think of it --- modern tv replacements for 5 volt '01A's!

>
> Now where DID I put that barrel full of them thar thingies.....
>
> 73/ZUT DE NA4G/Bob
>
What about the CRT's? Anyone ever use one for the final? I can SEE it now
I'm running a 21Cxxx at 25 KV on the Anode at 1 ma, lets see thats 25 watts
input. I even have a built-in tuning indicator. When I dip the final I
tune for minimum glow. Do I need the ion trap? If we can use an 833A for a
regen then why can't we use a CRT for a PA? Jim K4CGY
James C. Owen, III
National Institute of Standards & Technology (NIST)
Bldg 225/B360
Gaithersburg, MD 20899
1-301-975-5623

From boatanchors@theporch.com Fri Jul 28 17:50:00 1995
From: Dave Creek <dcreek@pixi.com>
Subject: Re: BAs in QST
Message-ID: <Pine.PCW.3.91.950728095339.12495A-100000@mothra09.pixi.com>

> >> Great idea! A use for tv set tubes. I was afraid they would never
> >> catch on.

Who has the schematic for the all-mode, 160 - 2 meter transceiver built
from 17 volt Compactrons (TM)?

Dave Creek, NH6BA
Ewa Beach, HI
dcreek@pixi.com

From boatanchors@theporch.com Fri Jul 28 16:21:00 1995
From: morgan@speckle.ncsl.nist.gov (Roy Morgan)
Subject: BC-610 Filter Choke INFO NEEDED
Message-ID: <9507281440.AA10461@speckle.ncsl.nist.gov>

Anchorites,
(especially those of the hallowed order of owners of BC-610's)

I have a filter choke supposed to be from a BC-610:

Three terminals
3-3/4 inch diameter, 4-1/2 inches tall
marked: RCA 900934-502 CRV 30788

What was its place in the circuit, and what are its ratings?

Thanks in advance.

-- Roy --

Roy Morgan / Tech A-266 / NIST / Gaithersburg MD 20899
(National Institute of Standards and Technology, formerly NBS)
301-975-3254 Fax: 301-948-6213 Internet: morgan@speckle.ncsl.nist.gov

From boatanchors@theporch.com Fri Jul 28 17:50:00 1995

From: n5off@w5ddl.aara.org
Subject: Bendix RA-1 in Air Classics
Message-ID: <144441@w5ddl.aara.org>

There is a nice picture of a Bendix RA-1 Aircraft receiver from the Boeing 314 in the new Air Classics magazine. The panel is very readable, bandswitch, data plate etc.

Check it out . . .

Tom

From boatanchors@theporch.com Fri Jul 28 09:14:00 1995
From: "Dick Dillman" <ddillman@igc.apc.org>
Subject: Re: CB recycling
Message-ID: <199507280154.SAA04966@igc3.igc.apc.org>

> I think it was in 1958 that Rosemary's Baby (CB) was born. Swan didn't
> exist then. I don't think they came along until around 1960 or so.
>
> We all got CB licenses back then so they couldn't "take our band away".
> Mine was 6W6997. I guess that makes me eligible for the (Shudder!) QCCBA.

Please Tony, try to remain calm. We're all friends here. And some of us, like me, qualify for QCCBA too. My call was 2W1394 (how come I can remember this stuff and forget my co-worker's names?) and I still have the ticket.

But say, do you notice something strange about these calls? They don't comply with the ITU regulations for radio call signs since they don't begin with the country designator. The story I heard, and have chosen to believe, is that this was the only time the FCC had to

withdraw an entire series of calls for non-compliance with the international regs. If true, that makes my old CB ticket a footnote in history, I suppose. That and the fact that it's signed by Ben F. Waple, who apparently signed anything that stood still long enough in those days. What I'd give for one of his signature stamps, which I know are still rattling around in the back of some federal grey desks somewhere.

>
>
> 73,
> T0ny
> K4KY0
>
> ZUT!
>
>
Best Regards,

Dick Dillman/WPE2VT
<ddillman@igc.apc.org>
San Francisco

From boatanchors@theporch.com Fri Jul 28 09:14:00 1995
From: Joe Spencer <jspencer@metronet.com>
Subject: Re: CB recycling
Message-ID: <Pine.HPP.3.90.950728072549.14300A-100000@fohnix.metronet.com>

Hi Dick

I too remember when CB was (almost) a respectable band. My callsign was KSZ7482 issued by the FCC before you could create your own using your SSN or zip code or something :-)
73, Joe KK5NA

On Thu, 27 Jul 1995, Dick Dillman wrote:

>
> > We all got CB licenses back then so they couldn't "take our band away".
> > Mine was 6W6997. I guess that makes me eligible for the (Shudder!) QCCBA.
>
> Please Tony, try to remain calm. We're all friends here. And some
> of us, like me, qualify for QCCBA too. My call was 2W1394 (how come
> I can remember this stuff and forget my co-worker's names?) and I

> still have the ticket.
>
> But say, do you notice something strange about these calls? They
> don't comply with the ITU regulations for radio call signs since they
> don't begin with the country designator. The story I heard, and have
> chosen to believe, is that this was the only time the FCC had to
> withdraw an entire series of calls for non-compliance with the
> international regs. If true, that makes my old CB ticket a footnote
> in history, I suppose. That and the fact that it's signed by Ben F.
> Waple, who apparently signed anything that stood still long enough in
> those days. What I'd give for one of his signature stamps, which I
> know are still rattling around in the back of some federal grey desks
> somewhere.
>
>

From boatanchors@theporch.com Fri Jul 28 16:21:00 1995
From: "Tony Stalls (K4KY0)" <j38@clark.net>
Subject: Re: CB recycling
Message-ID: <Pine.SOL.3.91.950728085754.7966C-100000@clark.net>

On Fri, 28 Jul 1995, Joe Spencer wrote:

> I too remember when CB was (almost) a respectable band. My callsign was
> KSZ7482 issued by the FCC before you could create your own using your SSN or
> zip code or something :-(
> 73, Joe KK5NA
>
> On Thu, 27 Jul 1995, Dick Dillman wrote:
>
> > We all got CB licenses back then so they couldn't "take our band away".
> > Mine was 6W6997. I guess that makes me eligible for the (Shudder!) QCCBA.
> >
> > Please Tony, try to remain calm. We're all friends here. And some
> > of us, like me, qualify for QCCBA too. My call was 2W1394 (how come
> > I can remember this stuff and forget my co-worker's names?) and I
> > still have the ticket.

Unfortunately mine was lost along with all my QSL's received between
1956 and 1970 during a move. :-(

> > But say, do you notice something strange about these calls? They
> > don't comply with the ITU regulations for radio call signs since they
> > don't begin with the country designator. The story I heard, and have
> > chosen to believe, is that this was the only time the FCC had to

> > withdraw an entire series of calls for non-compliance with the
> > international regs.

True... My old CB call was replaced with KNP5354.

From boatanchors@theporch.com Fri Jul 28 16:21:00 1995
From: Clark Fishman (FSAC) <cfishman@fsac3.pica.army.mil>
Subject: Coils
Message-ID: <9507280901.aa17534@FSAC3.PICA.ARMY.MIL>

Although not toroids but fixed inductors (solenoid) and fairly well shielded the TOKO type 10RB available from Digi-Key comes in a range from 1 mh to 120 mh and the closes to 88 mh is a 82 mh.....These guys are lot's smaller then the standard toroid and use pot core construction....they are about \$3 each

keep the solder flowing

Clark Fishman WA2UNN cfishman@pica.army.mil

From boatanchors@theporch.com Fri Jul 28 16:21:00 1995
From: Clark Fishman (FSAC) <cfishman@fsac3.pica.army.mil>
Subject: Coils
Message-ID: <9507281258.aa19675@FSAC3.PICA.ARMY.MIL>

A good replacement for toroids is the TOKO 10RB series of pot cored fixed inductors ranging from 1 to 120 mh including 82 mh... close to 88.....Digi-Key sells them for about \$3 each...Mouser has similar ones for less \$\$\$

keep the solder flowing...

Clark Fishman WA2UNN cfishman@pica.army,mil

From boatanchors@theporch.com Fri Jul 28 17:50:00 1995
From: wa6jpr@engsrv.qsc.com (Wally Linstruth - WA6JPR)
Subject: Collins 651S-1 Receivers
Message-ID: <9507281754.AA17345@engsrv.qsc.com>

Earlier - Tom Bryan wrote:

> A friend of mine has several Collins 651S1 receivers for sale.
> They are rackmount units with speaker. They don't appear to have any optional

> filters or the VLF option.
>
> The price is \$650 ea.
>
> If you are interested send me an email for details.
>
> Tom Bryan
> tbryan@mailstorm.dot.gov
>

I have been corresponding with Tom since then to procure one of these receivers. Though they aren't hollow state, they are GREAT BA radios.

I use mine with my Valiant on AM (without the benefit of muting the rx on transmit). The frequency stability is excellent, the absolute accuracy is excellent, the front-end and agc are essentially bullet-proof, they have plenty of low distortion audio, etc.

I use the buffered IF output to monitor both transmit and receive modulation. I am just beginning to use the 600 ohm balanced audio out to drive the mixer board and studio monitor amp / speaker system.

BUT - the radios may be even more difficult to service than tube gear due to lots of flat-pack ICs inside - no known availability of extender boards for the many circuit cards (there are at least fifty variations of the receivers - all configured by plug-in boards on a common mother board).

Anyhow, I am having a lot of fun with the radios and was lucky enough to get one complete with operations, maintenance, parts manuals. Tom indicated that there has been lots of interest in the radios from his post on this group. I would like to hear from anyone who may have purchased one of his stock (the price is as good as I've seen).

Perhaps together we can deal with the maintenance issues, general questions etc. Though I don't have the resources to copy all the manuals, I'd sure be glad to offer whatever assistance I may to the group.

Of course I don't have any association with Tom and these opinions are my own and don't represent those of my employer.

73 - Wally - wa6jpr@qsc.com

of muting on transmit.

From boatanchors@theporch.com Fri Jul 28 17:50:00 1995
From: Kevin Anderson <anderson@ncrsun1.ncr.usace.army.mil>
Subject: CQ
Message-ID: <Pine.SUN.3.91.950728142117.330B-100000@ncrsun1>

VVV VVV VVV CQ CQ CQ DE KB9IUA KB9IUA KB9IUA
TEST TEST TEST
HOW DO MY HEADERS LOOK?
(tell me they read anderson@ncrsun1.ncr.usace.army.mil)
K

*
Kevin L. Anderson, CENCR-PD-W, U.S. Army Corps of Engineers
Rock Island District Office, Planning Div.-Waterway Systems
Rock Island, Illinois 61204-2004, USA phone:(309) 794-5586
e-mail: anderson@ncrsun1.ncr.usace.army.mil
*
Opinions expressed here are my own and do not represent the
U.S. Army Corps of Engineers or the Federal Government.

From boatanchors@theporch.com Fri Jul 28 17:50:00 1995
From: Kevin Anderson <anderson@ncrsun1.ncr.usace.army.mil>
Subject: Dare I say it works? RFI QTH
Message-ID: <Pine.SUN.3.91.950728153402.608A-100000@ncrsun1>

BA gang,

I believe I am back, and correctly so with headers (but then I said that before; knock on synthetic wood). Replies from list members to my CQ came back. Correct looking headers depends just as much on my configuration as to what the receiving computer wants to do with them. Finding the right match of sendmail parameters was my struggle. As long as of the From: address reads anderson@ncrsun1(or ncrsun2 or ncrsun7, etc.).ncr.usace.army.mil, then I'm happy, it works, and replies will come to me. Apologies.

I am collecting QTH (location) information for list members who volunteer for being in a directory to facilitate equipment buying/selling and eyeball QSOs. Reply with:

Name:
Ham Call (if you have one):
Preferred e-mail address:
QTH City/State/Province/Country:

If "suburb", then also nearby big city:

Thanks. Directory will be forthcoming, organized by State/Province/County and then city.

Cheers/73. Kevin, KB9IUA
(It's been a long day...)

*
Kevin L. Anderson, CENCR-PD-W, U.S. Army Corps of Engineers
Rock Island District Office, Planning Div.-Waterway Systems
Rock Island, Illinois 61204-2004, USA phone:(309) 794-5586
e-mail: anderson@ncrsun1.ncr.usace.army.mil
*
Opinions expressed here are my own and do not represent the
U.S. Army Corps of Engineers or the Federal Government.

From boatanchors@theporch.com Fri Jul 28 09:14:00 1995
From: "Dick Dillman" <ddillman@igc.apc.org>
Subject: Detroit BA Sites
Message-ID: <91461.ddillman@igc.apc.org>

Goin' to Detroit soon. Can anyone advise and must-see BA stores, museums or collectors?

Best Regards,

Dick Dillman/WPE2VT
<ddillman@igc.apc.org>
San Francisco

From boatanchors@theporch.com Fri Jul 28 16:21:00 1995
From: Kevin Anderson <anderson@ncrsun2.ncrsun1.ncr.usace.army.mil>
Subject: Drake equipment list - request for copy.
Message-ID: <Pine.SUN.3.91.950728080351.620G-100000@ncrsun2>

Does anyone have a copy of the Drake equipment list as it was finally edited? If so, please shoot me a copy. I believe Larry started it, but I'm not sure if he edited the final copy, plus he is temporarily off the list. BTW, we should get that added to the BA file index.

Thanks. Cheers/73. Kevin, KB9IUA E E

*
Kevin L. Anderson, CENCR-PD-W, U.S. Army Corps of Engineers
Rock Island District Office, Planning Div.-Waterway Systems
Rock Island, Illinois 61204-2004, USA phone:(309) 794-5586
e-mail: anderson@ncrsun1.ncr.usace.army.mil
*
Opinions expressed here are my own and do not represent the
U.S. Army Corps of Engineers or the Federal Government.

From boatanchors@theporch.com Fri Jul 28 17:50:00 1995
From: Kevin Anderson <anderson@ncrsun1.ncrsun1.ncr.usace.army.mil>
Subject: Drake equipment list - request for copy. (again)
Message-ID: <Pine.SUN.3.91.950728131523.324B-100000@ncrsun1>

Sorry about this, but I had mailer/system admin stuff to
correct after last nights thunderstorms that uncovered some
errors I had and bad e-mail return addresses that were
going out with this mornings mail. (Unix sendmail configuration
can be a pain.) My correct return address should read
anderson@ncrsun1.ncr.usace.army.mil on the headers.

----- again -----
Does anyone have a copy of the Drake equipment list as it
was finally edited? If so, please shoot me a copy. I believe
Larry Keith started it, but I'm not sure if he edited the final
copy, plus he is temporarily off the list. BTW, we should
get that added to the BA file index.

Thanks. Cheers/73. Kevin, KB9IUA E E

*
Kevin L. Anderson, CENCR-PD-W, U.S. Army Corps of Engineers
Rock Island District Office, Planning Div.-Waterway Systems
Rock Island, Illinois 61204-2004, USA phone:(309) 794-5586
e-mail: anderson@ncrsun1.ncr.usace.army.mil
*
Opinions expressed here are my own and do not represent the
U.S. Army Corps of Engineers or the Federal Government.

From boatanchors@theporch.com Fri Jul 28 16:21:00 1995
From: rdkeys@unity.ncsu.edu
Subject: E.O. Seiler SK

Message-ID: <199507281654.MAA18936@cc01du.unity.ncsu.edu>

It is with some sadness and a bit of historical note, for the Boatanchorites that I report the passing of Ethelbert O. Seiler W2EB/ex W8PK, at the age of 89.

My AWA bulletin came yesterday, and while reading the obits, I found his name listed. That is real Dejavu, since I posted a bit about his interesting oscillator design, yesterday to the Boatanchorites.

Mr. Seiler was noted for the oscillator design, which bears his name, back about 1940, and published in the November, 1941 issue of QST (p. 26), ``A Low-C Electron Coupled Oscillator''.

This oscillator is a modified Colpitts type of design, in which the grid tank circuit is further decoupled from the Colpitts type capacitive feedback divider network, by the addition of a small isolating capacitance between the grid junction and the grid tank. The design was noted as being very stable and not prone to drift or frequency deviations due to power supply variation.

The design was evaluated, along with a other designs, by J.K. Clapp (of the Clapp or series tuned Colpitts oscillator fame) published in the Proceedings of the Institute of Radio Engineers, August, 1954, ``Frequency Stable LC Oscillators'', where its high stability characteristics were found to be usable over a tuning range of 1.8:1. Apparently, only the later Vackar oscillator design was better, with stability over a tuning range of 2.5:1.

There is further discussion of the Seiler oscillator in the Radio Society of Great Britain ``Amateur Radio Techniques'' 6th edition, by Pat Hawker/G3VA (p. 148), and in the Editors and Engineers ``Radio Handbook'' 18th edition, by William I. Orr/W6SAI (p. 262).

Hawker reported that the original Vackar circuit was designed specifically for Hi-C tuned tank systems with values of 1000pf or more across the tuned circuit, while the Seiler circuit was designed for Low-C tuned tank systems. The Seiler circuit needs only a hundred pf or two across the tuned tank for stability.

RIP OM
73 BV
DE NA4G/Bob

```
*****  
* 73 TU SU VA DE NA4G      ``Boat Anchor Bob'', an ol' CW fart. *  
*****  
* Morse has been in the family for over 100 years.          *  
* Morse radiotelegraphy (Spark/CW) has been in the family since 1914. *  
*****  
* May you have fair winds and following seas on your watch at the key. *  
*****
```

From boatanchors@theporch.com Fri Jul 28 09:14:00 1995

From: "Tony Stalls (K4KY0)" <j38@clark.net>
Subject: Fair Radio R390A Manual Differences
Message-ID: <Pine.SOL.3.91.950727221101.28320C-100000@clark.net>

I was just comparing the Fair RAdio edition of the R-390A Field and Depot Maintenance tech manual. Besides, the fold-out differences, Fair Radio left out all that stuff at the first of the manual, you know like the errors and manual changes. For example, "Page 159, paragraph 106. Change warmup period from "3 hours" to 15 minutes." and "Page 159, paragraph 109j, Delete all of step j and substiture: (a completely different procedure)."

The radiation warning is omitted too. I never knew OA2WA tubes were radioactive.

73,
Tony
K4KY0

ZUT!

From boatanchors@theporch.com Fri Jul 28 09:14:00 1995
From: "James P. Rybak" <jrybak@mesa5.Mesa.Colorado.EDU>
Subject: Re: Favorite tube?
Message-ID: <Pine.3.89.9507272034.A10750-0100000@mesa5.mesa.colorado.edu>

Its the 6L6 followed by the 2E26. For a little bit higher output it is the 807.

Jim W0KSD

From boatanchors@theporch.com Fri Jul 28 09:14:00 1995
From: "Tony Stalls (K4KY0)" <j38@clark.net>
Subject: Re: Favorite tube?
Message-ID: <Pine.SOL.3.91.950728010238.21289B@clark.net>

On Thu, 27 Jul 1995, James P. Rybak wrote:

> Its the 6L6 followed by the 2E26. For a little bit higher output it is
> the 807.

This is a foggy memory from the first time I owned a Viking II (1957) and 6146's were a staggering \$5.95, it was understood that much less expensing 2E26's could be simply plused in place of the 6146's with a reduced output. Right or wrong? (My 57 ARRL handbook doesn't have the 2E26 specs.)

From boatanchors@theporch.com Fri Jul 28 09:14:00 1995
From: "James P. Rybak" <jrybak@mesa5.Mesa.Colorado.EDU>
Subject: Re: Favorite tube?
Message-ID: <Pine.3.89.9507272342.E13547-0100000@mesa5.mesa.colorado.edu>

On Fri, 28 Jul 1995, Tony Stalls (K4KY0) wrote

>
> This is a foggy memory from the first time I owned a Viking II (1957) and
> 6146's were a staggering \$5.95, it was understood that much less expensing
> 2E26's could be simply plused in place of the 6146's with a reduced
> output. Right or wrong? (My 57 ARRL handbook doesn't have the 2E26
> specs.)
>
>

The 2E26 "looks" like a small 6146 but I don't recall hearing that you can simply replace a 6146 with a 2E26 for lower output. The 2E26 has maximum plate and screen voltage ratings of 600v and 200v, respectively. The 6146 has maximum ratings of 750v and 250v, respectively. I'm afraid that if you merely substituted a 2E26 for a 6146 in most circuits, you'd end up with a fried 2E26. However, I never tried it.

If I remember correctly, the 2E26 was the tube used in the Viking Navigator (a great cw rig which I wish I had bought and kept!)

Jim W0KSD

From boatanchors@theporch.com Fri Jul 28 09:14:00 1995
From: "Gable, Edward M" <emg@rfpo2.rfc.comm.harris.com>
Subject: RE: Favorite tube?
Message-ID: <3018C609@smtppgate.rfc.comm.harris.com>

Gang,
What's you favorite choice for a final P.A. for 20 and 40 meters providing about 25W output? (By favorite I mean cheap and readily available ;)
Jeff NH6IL
+++++=
My vote and expected majority would favor the 807...
Ed K2MP @ Rochester
emg@rfc.comm.harris.com

From boatanchors@theporch.com Fri Jul 28 16:21:00 1995
From: "Tony Stalls (K4KY0)" <j38@clark.net>
Subject: Re: Favorite tube?
Message-ID: <Pine.SOL.3.91.950728085224.7966B-100000@clark.net>

On Thu, 27 Jul 1995, Jeffrey Herman wrote:

> What's you favorite choice for a final P.A. for 20 and 40 meters
> providing about 25W output? (By favorite I mean cheap and readily
> available ;)

It's a little on the higher power side, but I vote for the 807, or maybe a 1625 in a less expensive version. That with a 6AG7 oscillator is a classic.

73,
Tony
K4KY0

ZUT!

From boatanchors@theporch.com Fri Jul 28 16:21:00 1995
From: "Stephen M. Linscott" <linscot@rice.edu>

Subject: Re: Favorite tube?
Message-ID: <Pine.3.89.9507280809.A25454-0100000@is.rice.edu>

An 807, loafing at 400-500 volts on the plate.

73 de W5EGP

- Steve -

* Steve Linscott Divisional Consultant Natural Sciences *
* IS User Services Rice University Houston, Texas *

From boatanchors@theporch.com Fri Jul 28 16:21:00 1995
From: "Tony Stalls (K4KY0)" <j38@clark.net>
Subject: Re: Favorite tube?
Message-ID: <Pine.SOL.3.91.950728082814.7966A-100000@clark.net>

On Fri, 28 Jul 1995, James P. Rybak wrote:

>
>
> On Fri, 28 Jul 1995, Tony Stalls (K4KY0) wrote
> >
> > it was understood that much less expensing
> > 2E26's could be simply plugged in place of the 6146's with a reduced
> > output.
>
> The 2E26 "looks" like a small 6146 but I don't recall hearing that you
> can simply replace a 6146 with a 2E26 for lower output. The 2E26 has
> maximum plate and screen voltage ratings of 600v and 200v, respectively.
> The 6146 has maximum ratings of 750v and 250v, respectively. I'm afraid
> that if you merely substituted a 2E26 for a 6146 in most circuits, you'd
> end up with a fried 2E26. However, I never tried it.

I found a later handbook that had the ratings for both tubes. The 2E26 and 6146 respective rated plate voltages are 600 and 750, and rated screen voltages are 200 and 250. The base is identical other ratings are pretty close.

> If I remember correctly, the 2E26 was the tube used in the Viking
> Navigator (a great cw rig which I wish I had bought and kept!)

The Navigator was a very nice little rig and although I don't know where I'd put it (the overflow of 7 receivers into the living room is beginning to get a little annoying), I would like to have one. I don't know why, but for some reason it wasn't too popular and I don't think they were on the market very long. Maybe it was that it only was only 40 watt rig. I don't have any ARRL handbooks between 1957 and 1964 and although the 1957 Johnson advertisement shows both the Adventurer and Navigator, the later one only has the Adventurer. I think they "replaced" it with the Challenger. Now that I think of it, I can't recall ever having seen one.

73,
Tony
K4KY0

ZUT!

From boatanchors@theporch.com Fri Jul 28 17:50:00 1995
From: Michael.J.Knudsen@att.com
Subject: Re: Favorite tube?
Message-ID: <9507281629.AA10755@bock.ih.att.com>

My only run-in with a 2E26 was in my Knight TR-106 6-mtr xcver.
It advertised 15W output.
The final was very well behaved, so I always thought of a 2E26
as a borderline VHF tube.

I think the TR-106 ran an 8 MC VFO into a tripler-buffer, so
the 2E26 doubled the input. Or maybe it ran straight thru,
but that sounds pretty elaborate for a fly-by Knight Kit.

Hmmm, now i recall that if you didn't tune up the pi-net final just right, you could get spurious oscillations on either the positive or negative plate-mod swings. I learned how to read the meter and tell when this was happening, so no big deal.
Another guy's copy of the same rig might have been different.
73, mike k

From boatanchors@theporch.com Fri Jul 28 16:21:00 1995
From: rdkeys@unity.ncsu.edu
Subject: Re: Favorite tube? --- 6146
Message-ID: <199507281425.KAA10183@cc01du.unity.ncsu.edu>

> On Thu, 27 Jul 1995, Jeffrey Herman wrote:
>

```
> > What's your favorite choice for a final P.A. for 20 and 40 meters  
> > providing about 25W output? (By favorite I mean cheap and readily  
> > available ;)  
>  
> It's a little on the higher power side, but I vote for the 807, or maybe  
> a 1625 in a less expensive version. That with a 6AG7 oscillator is a  
> classic.  
>  
> 73,  
> Tony  
> K4KY0  
>  
> ZUT!
```

Tony's choices are true classics.

If I were to make a hard choice, I would probably favor, based solely on availability, the 6146, in the following manner:

1. Oscillator --- 6146 running 195 volts on the plate and 105 volts on the screen from a pair of VR tubes in a string off the plate supply. It will work fine as a xtal oscillator or an eco on 80 meters doubled to 40 in the plate, and pi-net coupled to the final stage.
2. Finals --- a pair of 6146's running about 350-400 volts on the plates with a screen dropping resistor of maybe 20K ohms. A pi-L network output would suffice for the final tank system.
3. Key the system using B- or primary keying via high-speed reed or mercury wetted relays, and include provision for qsk.
4. If absolute frequency control was desired, dredge up an old collins PTO for 160m coverage and add another 6146 buffer stage running 250 volts on the plates. This would also add 160 meter coverage and retain 20 meter coverage by appropriate use of doubling. If the buffer stage was added without the PTO, it would still make a good eco rig but might be slightly chirpy quadrupled up to 20 meters off a 6146 eco.
5. As finals wear out, move to the oscillator and buffer stages for rotation to low power use.

Such a rig would run forever, and the tubes are going to be available for many more years. The tubes can be swapped for 12 volt or 24 volt dropin equivalents and the whole could be run off a dynamotor or an ac power supply.

Such a rig would be serviceable for many years, could be easily run on power sources such as dynamotors, vibrators, or even plate batteries. The power output could be easily varied from QRP to 75 watt or so output.

Parts and component layout would not be critical. Neutralization requirements would be minimal or nil, running in non-stressed mode.

Sounds like another winter project.....(:+}{}.....

Food for thought.....

73/ZUT DE NA4G/Bob

From boatanchors@theporch.com Fri Jul 28 16:21:00 1995
From: "Tony Stalls (K4KY0)" <j38@clark.net>
Subject: Re: Favorite tube? --- 6146
Message-ID: <Pine.SOL.3.91.950728105436.14187B-100000@clark.net>

On Fri, 28 Jul 1995 rdkeys@unity.ncsu.edu wrote:

> If I were to make a hard choice, I would probably favor, based solely
> on availability, the 6146, in the following manner:
>
> 1. Oscillator --- 6146 running 195 volts on the plate and 105 volts
> on the screen from a pair of VR tubes in a string off the plate
> supply. It will work fine as a xtal oscillator or an eco on
> 80 meters doubled to 40 in the plate, and pi-net coupled to the
> final stage.
>
> 2. Finals --- a pair of 6146's running about 350-400 volts on the
> plates with a screen dropping resistor of maybe 20K ohms.
> A pi-L network output would suffice for the final tank system.

Using the same tubes as oscillator and amplifier is a great idea. If you built an AM rig, you could modulate it with a pair of 6146's too. They would look great lined up side-by-side too.

Is this deja vu or what!!? ;-) I like it!!

> Such a rig would run forever, and the tubes are going to be available
> for many more years. The tubes can be swapped for 12 volt or 24 volt
> dropin equivalents and the whole could be run off a dynamotor or an
> ac power supply.

Keeping the filament voltage a little low would help "forever" too.

> Sounds like another winter project.....(:+}{}.....

Yeah... Like I need ANOTHER one. I'm stacked up through the 22nd Century as it is, but what the hell. Something along those lines sounds pretty good to me. :-)

> Food for thought.....

BURP! (Ain't BA gluttony great???)

> 73/ZUT DE NA4G/Bob

73/ZUT DE K4KY0/Tony

From boatanchors@theporch.com Fri Jul 28 16:21:00 1995

From: doonan@cordmc.dnet.etn.com (DENNIS DOONAN X6916 (KG9DO))

Subject: FS--BA type test equipment

Message-ID: <9507281255.AA24178@etn.com>

BA type test equipment for sale.

I'll be glad to supply any additional information on condition and functionality of the following test gear. Most is operational and in good condition.

Shipping is extra, but pickup could be arranged at a hamfest in the Wisconsin/Illinois area.

Eico 955 Resistor/Capacitor bridge, \$15.00

Heathkit IG-5228 Color Bar & Dot Generator, \$15.00

Hewlett-Packard 400H Vacuum Tube Voltmeter, \$25.00

Hewlett-Packard 200A Audio Oscillator, \$20.00

Hewlett-Packard 206A Audio Signal Generator in 19" cabinet, \$35.00

Hickok 610 Universal Television Alignment Signal Generator, \$15.00

Millen Frequency Meter Set: 90605 (3-10 mc), 90606 (9-24 mc), and
90607 (23-60 mc) with instructions & box, but missing the
unit for 60-144 mc), \$24.00

Radio City Products 704 Signal Generator, \$15.00

RCA WA-44A Audio Signal Generator, \$18.00

Seco 78 Grid Circuit & Tube Merit Tester, \$15.00

Solitron Devices R200 Controlled Rectifier Tester, \$25.00

Superior Instruments Co. Model 76 Capacitor/Resistor Bridge with
signal tracer, \$20.00

73 de Dennis, KG9DO

doonan@cordmc.dnet.etn.com

From boatanchors@theporch.com Fri Jul 28 17:50:00 1995
From: jmartin@hrlban1.aircrew.asu.edu
Subject: Homebrew articles for QST
Message-ID: <SA39+B1I4ka@hrlban1.alhra.af.mil>

Ref:

> No, WAIT! I've got it! We'll proclaim the wonders of building one-tube
> receivers and transmitters out of TV SET TUBES!

=====

That's a stroke of genius.

73, John Martin

From boatanchors@theporch.com Fri Jul 28 17:50:00 1995
From: jmartin@hrlban1.aircrew.asu.edu
Subject: Homebrews using TV tubes
Message-ID: <SA39+kXJ4ka@hrlban1.alhra.af.mil>

A proposal: Allow up to three TV tubes in either a homebrew receiver or transmitter design. Allow a maximum of one octal type per design, but small 7- and 9-pin types are open game. A multisection tube (i.e. a triode-pentode in one envelope) still counts as one tube. (A 6BQ6GTB might be promising for a transmitter, but what could a person use a 1B3GT for?) Just think of what could be made from a small 9-pin triple triode (I've forgotten the type number, and I don't have my tube manual near)... an RF stage, regenerative detector, and AF in one envelope!

73, John Martin

From boatanchors@theporch.com Fri Jul 28 16:21:00 1995
From: ad184@rgfn.epcc.Edu (Dale N Richardson)
Subject: Howard 450 A
Message-ID: <9507281452.AA17386@rgfn.epcc.Edu>

I came across another old receiver yesterday. It is a Howard 450 A. covers .55 to 65 Mcs. Does anyone know anything about this beast? It appears to work pretty good although the sensitivity decreases somewhat as you go higher in frequency which is kind of typical in these older receivers. I also have the matching speaker. This appears to be in very good condition. Any help would be appreciated. Thanks in advance.

73 de Dale AA5XE

--
Dale N. Richardson

From boatanchors@theporch.com Fri Jul 28 16:21:00 1995
From: RhyneK@aol.com
Subject: Re: Howard 450 A
Message-ID: <950728112708_125022491@aol.com>

>From information in the book "Communications Receivers - The Vacuum tube Era"
The Howard 450A was manufactured from 1938 to 1939. It appears to have been
a fairly high end receiver in this period. One other model, the Howard 460
was more expensive. The original price on the 450A was \$95.45 in 1938-39
dollars.

I have never seen one of these receivers. I would consider it to be extremely
rare and I would think that collectors would be willing to pay a premium
price for it.

Rhyne

KA1CX.

From boatanchors@theporch.com Fri Jul 28 16:21:00 1995
From: rdkeys@unity.ncsu.edu
Subject: Re: Howard 450 A
Message-ID: <199507281614.MAA16901@cc01du.unity.ncsu.edu>

>
>>From information in the book "Communications Receivers - The Vacuum tube Era"
> The Howard 450A was manufactured from 1938 to 1939. It appears to have been
> a fairly high end receiver in this period. One other model, the Howard 460
> was more expensive. The original price on the 450A was \$95.45 in 1938-39
> dollars.
> I have never seen one of these receivers. I would consider it to be extremely
> rare and I would think that collectors would be willing to pay a premium
> price for it.

I had a Howard 435A when I was 7 that the OM used to keep me fired up with. It was a neat receiver, but bottom of the line for that model. But, the ol' beast had a sliderule dial that was second to none. Alas, with only 7 tubes, it was not the best on selectivity, etc., but was fine for a googoo eyed kid and the OM to ply the ethers on short wave.

They are relatively scarce items, apparently, but not that scarce. The original price on the 435A from 1941 was only \$36.75, so go figure. It was about like the lowendian Nationals and Hallicrafters.

In 1941, the high end model was the 490 with 14 tubes! But, that one cost a whopping \$164.50, back then. It had 2 tuned RF stages, 8 watts of audio and came with an external 10 inch Jensen speaker for another 12-1/2 bucks.

Howard Radio was at 1731-35 Belmont Ave, Chicago, Ill.
Cable: HOWARDCO, USA

My guess is that if you look around the shops in the ChiTown area, you should find a few, here and there.

73/ZUT DE NA4G/Bob

From boatanchors@theporch.com Fri Jul 28 16:21:00 1995
From: tschuld@gpu.srv.ualberta.ca (Chris Dorn)

Subject: Info on Drake 7075 mic.
Message-ID: <199507281546.JAA17003@bock.ucs.ualberta.ca>

Hello all,

I have a Drake 7075 desk mic. that was part of a deal on TR4. I haven't found much mention of these mics, and am wondering what the scoop is on these. Were they produced for the 7 line? Are they just an OK mic? How much do they typically sell for?

Thanks,

Chris VE6RDC

From boatanchors@theporch.com Fri Jul 28 09:14:00 1995

From: Michael.J.Knudsen@att.com
Subject: Re: Jackson Bros. vernier
Message-ID: <9507272057.AA09157@bock.ih.att.com>

Split fork? So that's the official name for a "UHF drive." Interesting to know that it may predate the UHF tuners built into TVs (before they went ot click-stop knobs).

BTW, I wrote some mouse software for my first Color Computer based on the UHF technique. Moved the cursor in very fine steps until you overran the "fork", at which point it pushed very fast on the screen. Reversing direction made it vernier fine-motion again. 73, mike k

From boatanchors@theporch.com Fri Jul 28 17:50:00 1995
From: don merz <71333.144@compuserve.com>
Subject: Military FS
Message-ID: <950728174715_71333.144_DHQ40-2@CompuServe.COM>

Military Radio Stuff For Sale

CONTACT: Don Merz, N3RHT: 47 Hazel Drive, Pittsburgh, PA 15228.
412-234-8819 (weekdays, EST or leave a message anytime).
71333.144@compuserve.com

Military "ATR" 2-position receiver rack. The "ATR" packaging was the standard for military aircraft receivers by the end of WWII and through the Korean War era. So this rack fits receivers like the ARR-15, ARR-5 and ARR-7. The connecting cable box is included but the connectors are missing. The nomenclature tag has been removed. Lord shock-mount feet included. Nice shape. \$35

Military CY-1218 Control Box. This is the transmitter/dual receiver operating control set from AN/GRC-38, the sucessor to the SCR-299, 399 and 499 trucks. So this was designed to control a BC-610I and two

Hallicrafters SX-73 receivers. It allows for two local operating positions and one remote (via field telephone). This control box looks very similar to the JB-70 control box in the SCR-399. A pretty sexy add-on to your BC-610 setup--plug-n-play with any BC-610 between the BC-614 speech amp and any two receivers. Made by Hallicrafters. Excellent condition. With AN/GRC-38 partial manual copy. \$125

Military BC-1068-A receiver. Tag says "Designed for Signal Corps Radar Laboratory." Belmont radio s/n 1337, order 1-SCRL-42. No case. 2 mods installing audio gain and squelch controls--but these are in original holes so they would be easily backed out. Also, AC power connector on rear has been replaced. Tuning eye. Complete. Untested. \$29

BC-611 top cover, battery contact and antenna cover. Used, good. \$8. 2 left.

WWII I-83H Dynamotor test stand. Tests all then-current 14v and 28v types.

Requires 16v and 32v input. Made by Espey mfg in 1943. Used, good. \$20

Zenith DM-64A dynamotor, 14v in, 275v out @ 150ma, with mount.

For BC-603/683 test set: \$15

Military CZR-23214 pilot's control box for the ZB homing accessory used with the ARA and ARB receivers. With mount plate. Excellent. \$16. 1 left.

MC-177T calibration book for the BC-221T frequency meter. Zenith brand. \$2

BC-654 (SCR-284) legs. These clip onto the BC-654 case and make it into a real field set! \$20/set of four.

GN-4x legs: These are the straight legs that clip onto the GN-4x generators. \$10/set of 2.

GN-4x generator handles: \$8/pair.

GN-4x leg with wooden seat. Excellent condition. \$8 each

Military ABA remote control box with indicator lamps and mount. This is used on the ABA/BC-645 IFF radio. \$22

#19 Mark II dynamotor power supply, very good, all original. Looks brand new inside. Untested. No mods. \$44

#19 Mark II radio set microphones. Scarce accessory for the # 19 set. 2 left: 1) Good, no connector: \$10, and 2) Fair, no cord or connector: \$6

Military TS-13E handset. Can be used with the BC-1000 and several other WWII-era backpack radios. New-in-original box. \$14

Military #19 Mark II metal shell for telegraph key. The Mark II key came in a metal shell with two canvas straps on it for strapping it to the operator's leg. This is the rounded shell (another variation had a shell with squared-off edges). This shell has no key but the key was a standard Bunnell or WT8 so a replacement should not be difficult to find. \$39

Military PRC-6 RDF loop antenna. Brand new in unopened original packaging. Mint. \$25

Canvas bag CS-76-B for the RM-29 remote control used with the SCR-284 and many others, fair condition with carry strap: \$12

Military (or Hallicrafters) BC-610 (or HT-4x) tuning units:

TU-50 (4.0-5.0mhz), TU-52 (6.35-8.0mhz) and TU-48 (2.5-3.2mhz). \$8 each.

Military MP-73 mast base for mounting GRC-9 whip on vehicle or structure.

Unused in original box. \$14

Military ATD transmitter spare parts cards: Set of contents/manufacturers cards from the ATD spare parts chest. \$8

Military A-62 Phantom Antenna for SCR-508 or SCR-528. As-new. \$7
AN130A whip antenna (for BC-1000, SCR-300 backpack set) \$8
Vietnam-era H-79 aircraft headphones with boom mic, nice: \$10. One left.
Military C-2536/SRA-17 "Control, Antenna." Part of antenna group AN/SRA-17
(which includes antenna AT-924/AR and tuner TN-334/SRA-17). This is a
control box for the VLF antenna used with the 1955-vintage Navy SRR-11
VLF receiver. Covers 14kc-600kc according to the controls on the front.
This is just the control box, no antenna or tuner is included. Probably
only useful to someone who wants to add authenticity to their SRR-11
setup. \$11 each. 3 to sell.

Transistor Devices 26V, 6A power supply. Regulated, over voltage protected,
current limiting. Adjustable current limiting and slightly variable voltage.
Transformer-type supply, not a switching supply. Good for powering receiver
dynamotors such as command set equipment and the ARB, etc. Does not have
quite enough current available to power the ARR-15 cleanly since the autotune
motor and dyno try to draw their startup current simultaneously. Perfect
looking and working condition. \$14

MILITARY TMs (Originals)

RBZ original manual. One of the rarest military manuals. Excellent
condition with covers. Prefer trade for a manual on my WANTED list above
or sell for \$47

TM-11-467 Radar System Fundamentals--CONFIDENTIAL--4/28/44. \$24 HOLDING

TM-11-672 "Pulse Techniques," 1951, near-mint: \$7

ARN-14/14C Manual T0-12R5-2ARN14-12. \$5 each. 2 to sell.

TRC-8 original manual: \$3

TM 11-296 PRC-6 Use manual. About 1955: \$14

TM 11-4096 PRC-6 Field Maintenance Manual w/addendums: \$19

From boatanchors@theporch.com Fri Jul 28 17:50:00 1995

From: don merz <71333.144@compuserve.com>

Subject: Mostly Military FS

Message-ID: <950728174549_71333.144_DHQ40-1@CompuServe.COM>

Mostly Military Radio Stuff For Sale

CONTACT: Don Merz, N3RHT: 47 Hazel Drive, Pittsburgh, PA 15228.
412-234-8819 (weekdays, EST or leave a message anytime).
71333.144@compuserve.com

Military #19 Mark II transmitter/receiver. WWII British design used
in the tanks of nearly all Allied nations. HF, 2-8mhz or so, and one
channel of VHF at about 235mhz. AM and CW. Unique two-channel tune-lock
procedure allows auto-tuning to two pre-set frequencies. Requires external
power supply--see dynamotor supply listed below. This one has a very good or

better front panel, but a junky case with some surface rust. No holes or mods of any kind that I can see. Untested. \$89

Military DAG direction finder receiver. This is a WWII-vintage Navy RDF set with separate loop and sense (whip) antennas that plug in to the top. The whole thing is in an 18" square, 6' deep metal suitcase with a leather handle. The receiver is HF covering about 2-20mhz in 3 bands. The receiver sits in the top half of the suitcase with the battery compartment and headset storage compartment below. The 2 antennas store in clips inside the suitcase lid. Both antennas and manual photocopy included. This is apparently the original model (since it has no -1 or -2 behind the "DAG" on the tag.) This one is olive drab. The case serial number (#518) and radio serial number don't match. Excellent looking and decent working.

No headset. \$240

DAG manual photocopy separately: \$14.95 postage paid
1960 DX Callbook (Foreign). Very Good Condition. \$17

Book: Practical Wireless Telegraphy, Elmer Bucher, 1921, SPARK!, HB: \$29

Military BC-604 WWII tank transmitter. FM, pushbutton channel selection.

All original and very nice. "Refurbished at the Decatur Signal Depot."

No mount. 12V and 24v dynamotors included. \$79

Military BC-603 receiver. Companion receiver to the transmitter above. But this one is heavily modified with external speaker and protective grill removed. As-is: \$19

Military AN/SRT-14-15-16 Frequency Converter modules (2). New-in-Box. No tubes. One piece looks like a mechanical selector. The other is the electronics. No data on these or on the set they are from. \$13

Military RCA RA-20 rectifier supply. Untested, some wires disconnected inside. Otherwise looks okay. Used with the BC-312, 342, etc. As-is. \$19

TCS spares kit--chest 2 of 2. Seems to be mostly dynamotor spares.

New-in-unopened-original-packaging. \$55. One left out of 11. I have never had any of--or even seen--chest 1 of this 2-chest set.

Military PE-120-B power supply for the BC-620 and BC-659 WWII jeep radios. Surface rust on case but all clips are intact and no damage--nothing that a wire brush and some olive drab spray couldn't cure. Leather handle broken. But it appears to be like new inside. \$59

Military DY-88/GRC-9 dynamotor and vibrator power supply for the AN/GRC-9 and BC-1306 backpack radios. 6, 12 or 24 volt, switchable. Appears to be brand new inside and out. Untested. \$45. The required supply-to-radio cable is still available from Fair Radio Sales. Last one.

Military PP-114/VRC-3 vibrator power supply for the SCR-300 (BC-1000) WWII vintage backpack radio. Used, excellent. Three left. \$29 each.

Military ID6/APN4 Indicator. From WWII-vintage LORAN set--the first LORAN set ever produced. The rest of the set included a power supply and receiver (which I don't have). Nice front panel but black wrinkle on case is flaking. No mods. Untested. \$30

Another ID6/APN4 Indicator. Missing 3 knobs and one lever switch has been removed. Nice front panel. No unoriginal holes. Untested. \$15...or buy both ID6/APN4 indicators for \$37.50

From boatanchors@theporch.com Fri Jul 28 17:50:00 1995
From: Kevin Anderson <anderson@ncrsun1.ncr.usace.army.mil>
Subject: much needed test -- sorry!
Message-ID: <Pine.SUN.3.91.950728140833.279D-100000@ncrsun1>

I need to see a message reflect through the mailing list,
as something is much different in my headers between
direct mailing to computers (which works/looks fine) and
reflecting through the BA computer. Sorry.
Bear with me on this. Thanks.
Kevin, anderson@ncrsun1.ncr.usace.army.mil
309-794-5586
(Hey, this is supposed to be day off :-(

From boatanchors@theporch.com Fri Jul 28 09:14:00 1995
From: jproc@worldlinx.com
Subject: Naval Web Page
Message-ID: <Chameleon.4.01.2.950727221253.jproc@>

Dear BA's,

Quite by accident, I found a terrific Web page for those of you who may be interested in naval matters and naval history. Great JPG's of WW2 action shots. Too many items to list here. I got there by accident while searching for topics like 'naval electronics'. Here is the URL string:

<http://www.wpi.edu:80/~elmer/navy.html>

Regards,

Jerry Proc VE3FAB
E-mail: jproc@worldlinx.com
Radio Restoration Volunteer
HMCS Haida Toronto, Ontario

From boatanchors@theporch.com Fri Jul 28 09:14:00 1995
From: haynes@cats.ucsc.edu (Jim Haynes)
Subject: Paper tape keyboard punch
Message-ID: <199507280505.WAA17631@hobbes.UCSC.EDU>

Well the machine I would really like to have is a Western Union tape perforator - this is something of their own semi-manufacture. The keyboard base is right out of a Teletype Model 14 (Western Union 2-B) tape printer; but they have taken out the sending distributor and put in a perforator mechanism of their own design, driven by a motor.

From boatanchors@theporch.com Fri Jul 28 09:14:00 1995

From: Johnson_Dan@AAC.COM

Subject: QST Aug '95: Bring 'Em Back Alive!; QRP freqs

Message-ID: <9507280456.22640.aa@SMROUTER.AAC.COM>

Content-Type: text/plain; charset=US-ASCII

I am cross-posting this on QRP-L and Boatanchors - please pardon the dupe if you subscribe to both. This is in line with the "BAs in QST" thread in Boatanchors and is also relevant to its sister reflector, QRP-L.

The week before last, I sent email to Mark Wilson/AA2Z, Editor of QST, thanking him for supporting the vintage crowd with articles such as Larry Keith's and encouraging QST to support considerate operation around QRPers by publishing the QRP frequencies in ARRL publications. These two groups share a common characteristic. Despite their (presumably) relatively small size, they are important to the fabric and future of amateur radio as a technical avocation, and I said so.

Mr. Wilson replied promptly in a gratifying and obviously personal manner. Not having his permission, I won't quote his message, but I will pass along an important point. It is easier for QST to support special interests when it receives quality manuscripts about them.

Thus, the welcome coverage of QRP and vintage/boatanchor coverage in QST the past few years does not necessarily follow from ARRL editorial "support" of these interests as much as the availability of high-quality manuscripts.

Despite occasional and sometimes systemic editorial oversights, and regardless of what one infers about the motivations of organizations like ARRL, it remains true that those who actively participate in them can affect the course they take.

Food for thought. Armchair quarterbacks - especially those who can write well - take note.

72.5+/- .5 de KC4EWT

Johnson_Dan@aac.com

From boatanchors@theporch.com Fri Jul 28 09:14:00 1995

From: TOM.A.ADAMS@mail.admin.wisc.edu
Subject: Re. Re. BA's in QST
Message-ID: <F7RK4750.F7RK4808@mail.admin.wisc.edu>

to: boatanchors@theporch.com

Hello Tony.

Re. the QST people putting down your idea of a vintage radio section:

You're getting right into the heart of the reasons I'm not an ARRL member/QST subscriber; the League doesn't reflect me or my interests, and hasn't for a great many years. BTW, the same thing goes for other ham mags; the last one I subscribed to was HAM RADIO.

QST has, since the end of the 60s, tried hard to cater to an upscale market. It aims at folks with a couple of grand to blow on a microprocessor controlled SSB sandbox. It goes for people who have enough disposable time and income to make reciprocal licensing agreements a major deal that they have to avail themselves of frequently, especially in relation to Caribbean tourist traps.

I think the main thing that soured me on the ARRL was the insistence in the past that ham radio operate in a vacuum, completely divorced from the rest of the world.

When four students at Kent State University were killed by the National Guard during a protest against the Viet Nam conflict, practically every college in this country went on strike. At the same time, campus ham stations took to the air, forming a loose net called the National Student Information Network. I was an operator at two different campus stations, in addition to putting in hours at my own station.

The network passed personal traffic, and reported to each other on local campus activities relating to the student strike.

When we were jammed and the operation was reported to the FCC and FBI (!!!) by self appointed "patriots", we weren't surprised. The 75, 40, and 20 metre SSB frequencies of the network were a bedlam of obscenities and abuse. Interestingly tho, the CW traffic handling frequencies experienced almost no problems. Maybe the jammers weren't bright enough to read code!

However, I most certainly WAS surprised when the ARRL insisted that such operations had NO PLACE on the ham bands; in fact NOTHING of a political nature was welcome there. So sayeth Oz the Great and Mighty up on Mount Newington. There was a minor rebuke in QST for the (unidentified) jammers, but for the most part the editorial lambasted NSIN.

I was struck by a paradox. The position of the League is that ham radio is

a communications resource, ready to serve in any emergency. To most college kids of that era, the shooting deaths of four of thier number was an emergency of the first order; we had no way of knowing at the time if this was a tragic accident, or part of an orchestrated plan (this sounds wildly outlandish now, but back then ANYTHING seemed possible). In the face of this emergency, we were told by the leading voice of amateur radio, the ARRL, that this situation was something hams shouldn't get involved in; that we should just pretend it wasn't happening ("Just ignore that man behind the curtain! The great and powerful Oz has spoken!").

After the QST editorial I found it no longer possible to remain a member of the ARRL. As a matter of conscience I resigned, and I've never been back, nor forgiven the League for it's short sighted, Jingoistic, and frankly cowardly stance.

The Amateur's Code no longer speaks for me, especially the part that says "The Amateur is Loyal. He owes his amateur radio to the ARRL" (phrasing has since been changed).

Since that time, I've seen QST occasionally. I notice that the amount of home brew gear, and it's complexity, has steadily gone down. QST, like CQ and 73, have become appliance operator's and contesteer's mags. More and more, they are becoming proponents of "gentrification", a term usually associated with the upscaling of urban neighborhoods by means of the well heeled pushing old, less well-to-do inhabitants out.

Doubt that's happening on the ham bands? Well, how long ago was it that we heard about a KW-1 being sold for \$12,000? Whatever happened to those fifty buck Rangers and Valiants that used to show up at every hamfest? Is it reasonable to expect to attract newcomers to this game when it's common wisdom that a "minimum" station is an "economy" transceiver that sells for \$1000?

THAT'S the image that ARRL is pushing.

BTW, Re. the ARRL:

About a year ago, I found in my files about a half dozen original copies of the manual for the BC-611 walkie talkie. I offered them free on this system to anyone who would reimburse me for postage costs. An ARRL employee (who shall remain nameless) was one of the happy recipients.

I'm still waiting for the postage reimbursement!

Strange...

73's,

Tom, K9TA

From boatanchors@theporch.com Fri Jul 28 09:14:00 1995
From: "Roberta J. Barmore" <rbarmore@indy.net>
Subject: RE: receiving tube xmitters
Message-ID: <Pine.3.89.9507280439.B8262-0100000@indy3>

Hi!

This thread brings back memories--over 20 years ago, I used a push-pull 1J6 transmitter and a regen + rf amp setup on vacation! The transmitter worked very well, though the receiver wasn't very stable. Didn't work any DX but managed to find some locals.

The transmitter's still around, though no longer in the original 4x4x6 minibox; some time back, I moved it to a big breadboard with an AC supply. The filament supply is a little ugly, 8 VDC from the heater winding and a big resistive network to drop it to 1.5V, but it still worked last time I used it! :)

73,
--Bobbi

From boatanchors@theporch.com Fri Jul 28 09:14:00 1995
From: Tim Constable <tconst@world.std.com>
Subject: Re: recieving tube xmitters
Message-ID: <Pine.3.89.9507272327.A11889-0100000@world.std.com>

Not bad. Try a 3A4 (oscillator) driving a pair of 3B4's should give you about 2 watts on 10M. This design comes from a modified Hallicrafters CB-5 mobile unit with a power requirement of .22 receive and 1.9A xmitt. Actually only the frequency was modified not the transmitter design.
tim

On Thu, 27 Jul 1995 Robert2039@aol.com wrote:

> Just put together a bread board tri-tet with a 1T4 driving a pair of 3S4's.
> Puts out half a watt on 80 & 40 meters. Didn't think battery tubes could do
> that! Anybody else build a recieving tube transmitter? What did you use? What
> kind of power did you get? And I don't mean a 6SJ7 driving a 6L6!
>

From boatanchors@theporch.com Fri Jul 28 09:14:00 1995
From: Steven Wilson <randyw@crl.com>
Subject: Re: recieving tube xmitters
Message-ID: <Pine.SUN.3.91.950727202238.28024A-100000@crl3.crl.com>

I am sure you will enjoy it Tony, my first QRP rig was a 6AQ5 and I used the voltage out of a NC-98 to power it. hi Worked about 20 states on 40 meter novice band with it. de stan ak0b

From boatanchors@theporch.com Fri Jul 28 16:21:00 1995

From: Jodaanve@aol.com

Subject: Remaining books FS

Message-ID: <950725232542_123041693@aol.com>

BA gang,

The following books and manuals are still available.

I would like to thank everyone who responded and wish that I had more of these to distribute .

Learning the Telegraph Code 1951 EXC \$10

License Manuals 1952 1 poor \$5, 1 VG \$8

Callbooks:

1952 fair condx \$17

Winter 1941-1942 fair \$20

Others:

E&E Radio Handbook twelfth edition 1949 hard cover VG \$17

ham radio notebook volume 2 1975 good \$7

The Rider Sound-n-Sight code course instruction book 1959 VG \$3

National NC - 57 instruction manual good \$10

Rider "Radar what is it" 1946 VG \$10

Remember, that shipping is included, fourth class book rate. I will be open to offers on what is remaining if you bid on at least two.

Please e-mail directly to Jodaanve@AOL.com

Thanks again.

73,

Dave WB9EGZ

From boatanchors@theporch.com Fri Jul 28 09:14:00 1995
From: paul Veltman <veltman@netcom.com>
Subject: Searching for Keven Anderson
Message-ID: <Pine.3.89.9507271919.A22598-0100000@netcom15>

Keven
My reply to your directory post came bouncing back like a red rubber ball. Can you give me another address?

73

Paul WA6OKQ

From boatanchors@theporch.com Fri Jul 28 09:14:00 1995
From: Fire Bottle archive handler <firebotl@jackatak.theporch.com>
Subject: Re: Searching for Kevin Anderson
Message-ID: <9507272300.aa19754@jackatak.theporch.com>

Gang-

The "problem" with Kevin Anderson's address is that his system is inserting an "extra" ncrsun1 in where it doesn't belong... I am working with his sys admin to fix it...

If you simply email him at:
anderson@ncrsun1.ncr.usace.army.mil

things ought to work just fine...

Sorry ya'll are having problems...

--

73

Jack, W4PPT/Mobile (75M SSB 2-letter WAS #1657/#1789 -- both all mobile! ;^)
- - - BoatAnchor Mailing List Archiver/Owner - - -
firebotl@jackatak.theporch.com ---- listown@jackatak.theporch.com

From boatanchors@theporch.com Fri Jul 28 09:14:00 1995
From: Mikhael Brown <mikhael@hpcmmp13.sj.hp.com>
Subject: SF Bay Area 2M AM?
Message-ID: <199507280307-AA286610846@hpcmmp13.sj.hp.com>

Hi everyone,

Is there anyone operating 2 meter AM in the SF Bay area?

Anyone interested in starting an AM net on 2 meters?

Mike N6WIG

mikhael@hpcmmmp13.sj.hp.com

From boatanchors@theporch.com Fri Jul 28 16:21:00 1995

From: oranges@FRB.GOV

Subject: Sorry wrong NTIS 800#

Message-ID: <0193b960@ccmail.frb.gov>

Sorry everyone, the NTIS 800 number is wrong,
My computer had a fit and messed some things up.
If I can find the correct Number at home, I will post it.
Again sorry if I put anyone out

Ps, the computer also delete the most recent digests,
can the person in charge of collecting the want list,
please email me the where and what info about the list.

Fred Bohner email address is oranges@frb.gov
Washington dc Message for personal use Not Official Use

From boatanchors@theporch.com Fri Jul 28 09:14:00 1995

From: Jim Specht <specht@test.rb.unisys.com>

Subject: SSB Converter

Message-ID: <9507280614.AA07004@tedb>

As a SSB Converter for the R-390A I'd suggest the CV-1758 (MSR-9) instead of the earlier CV-591A (MSR-4). I believe Fair Radio sold them at one time...

From boatanchors@theporch.com Fri Jul 28 16:21:00 1995

From: "R. Dennis Gibbs" <dgibbs@Rational.COM>

Subject: RE: SSB Converter

Message-ID: <Chameleon.4.01.950728083809.dgibbs@meninx.ppp.verdix.com>

Is the CV-1758 (MSR-9) Tube, or Solid State? Who made it, how big is it, etc.?

Dennis Gibbs
dgibbs@rational.com

>
>As a SSB Converter for the R-390A I'd suggest the CV-1758 (MSR-9)
>instead of the earlier CV-591A (MSR-4). I believe Fair Radio sold
>them at one time...
>

From boatanchors@theporch.com Fri Jul 28 16:21:00 1995
From: "Stanley L Flegler" <flegler@pilot.msu.edu>
Subject: RE: SSB Converter
Message-ID: <9507281404.AA21274@pilot05.cl.msu.edu>

Some information on these is available from the Boatanchors MIL LIST.
According to it, both converters were made by Technical Materiel Corp., both
use 7 and 9 pin tubes, and both are 19" rack mount, 5.25" high.
Stan K8RPA flegler@pilot.msu.edu

From boatanchors@theporch.com Fri Jul 28 17:50:00 1995
From: Michael.J.Knudsen@att.com
Subject: Re: SSB Converter
Message-ID: <9507281632.AA10762@bock.ih.att.com>

Nobody's yet mentioned hte alltime heavyweight champion SSB partner
for the R390A -- the CV-157. If you can get one working, and put up
with the mass and the volume, it's a great box and will let you
listen to USB and LSB independently on the signal. Great effects
when doing synchronous detection on SW AM broadcasts.

And the motor-driven AFC is fun to watch -- tho you may have to hook
up a Super-Pro instead of an R390A to really enjoy it (ducking! :-).
73, mike k

From boatanchors@theporch.com Fri Jul 28 09:14:00 1995
From: Rolf.Jansson@stax.slu.se (Rolf Jansson)
Subject: SSB-unit for R-390A not so heavy
Message-ID: <9507280709.AA29982@nana.slu.se>

Are'nt there a unit that are not so heavy, which you could put at the top of

your radio,
without all going down through the floor down to the basement.
Regards Rolf

Sveriges lantbruksuniversitet/
Swedish University of Agricultural Sciences
Systemman Rolf Jansson Tel: +46 90 166785,010 2255642
Skogshögskolan Fax: +46 90 137929
S-901 83 Umeå Sweden
Datorpost/E-mail:Rolf.Jansson@stax.slu.se

From boatanchors@theporch.com Fri Jul 28 09:14:00 1995
From: ws4s@multipro.com (Conard Murray)
Subject: TCS transmitter sought
Message-ID: <199507280635.BAA22360@server.multipro.com>

Greetings to all who read this plea!
I need a transmitter to keep my newly-aquired TCS-12 receiver happy. I would like to find a -12, but that isn't necessary. A fixer-upper would fit the bill nicely if all the key parts are there. Let me know what you have!

Thanks de Conard WS4S
Conard Murray WS4S 615-526-4093
217 Dyer Avenue
Cookeville, TN 38501
ws4s@multipro.com ws4s@wa4uce.midtn.tn.usa

From boatanchors@theporch.com Fri Jul 28 09:14:00 1995
From: ac082@freenet.carleton.ca (Charles Hunter)
Subject: Re: Teleprinter makes and models
Message-ID: <199507280225.WAA21105@freenet3.carleton.ca>

I had a couple of Lorenz machines that were donated by CN-CP telecommunications. The Lorenz's had a built in perf and reader and they used them for Telex service prior to the model 32's.
TWX never caught on in Canada and was used mostly by florists for FTD.

The newswires here used Extels when they bumped up the service to 100wpm. Prior to that there was the odd one but mostly they went from 15's to 28's before the 100wpm changeover.

There used to be a guy in Florida who ran a business called "Typetronics". (I think the name is right). He used to advertise in all the radio publications.

I never saw a Kleinschmidt in the CN-CP Telco shops or on the wire service circuits. Never saw a model 26 either except in publications.

73's
Charlie

>Golly, about all I've heard of up to now have been Teletype and an
>occasional Kleinschmidt. (edited)

--

ac082@freenet.carleton.ca (Charles Hunter)

From boatanchors@theporch.com Fri Jul 28 16:21:00 1995

From: jmartin@hrlban1.aircrew.asu.edu

Subject: Toroids source

Message-ID: <SA39+dYD4ka@hrlban1.alhra.af.mil>

Bill N5LMX wrote:

Anyone have a source of those used-to-be-common 88mh toroids
used in all of those filter projects from way back when ???

I don't know if it would help or not, but I've located a local source of supply
for some ferrite metal hollow core halves, cheap, if anyone's interested in
making their own homebrewed small transformers. Of course this does not
result in a true toroid, but these cores might be useful for someone. The
outside diameter is about an inch, the center core diameter is about 5/16",
and total height is about 1/2". I'll get more data, including exact pricing, if
anyone's interested. (They *may* have toroid core stock also... I'll check.)

73, John Martin

jmartin@hrlban1.aircrew.asu.edu

From boatanchors@theporch.com Fri Jul 28 16:21:00 1995

From: Scott_Johnson-AZAX60@email.sps.mot.com

Subject: RE>Ultimate tube tester

Message-ID: <"Macintosh */PRMD=MOT/ADMD=MOT/C=US/"@MHS>

RE>Ultimate tube tester

7/28/95

Why not locate a Tektronix 570 characteristics tracer? I have one, and it is
fabulous for matching tubes, as well as characterizing unknown types. I guess
the only problem might be the scarcity of the animal, but the 575 transistor
curve tracer could probably be modified for use with valves by adding the
appropriate supplies.

73, Scott

Seriously, I would be interested in construction of such a tester, but personally I'd rather steer clear of software driven testing. I have an old Hewlett-Packard analog X-Y recorder I picked up surplus for a song (the kind where a sheet of paper is held on the platter with a static charge, and the pen translates back and forth on moving beams) which would be ideal for such plots, and hope to design and build the test interface circuitry someday. Dial in any B+ and grid bias desired (driven by ramp and stairstep generators), and viola! - instant curves on almost any tube imaginable. Well, maybe not quite that easy, but it sounds like something both useful and fun. Anyone have thoughts on this (or has someone already done it)? Did any of the commercial tube curve tracers have outputs to drive X-Y recorders?

73, John Martin

From boatanchors@theporch.com Fri Jul 28 16:21:00 1995
From: dlkerl@elvis.b11.ingr.com (Dan Kerl)
Subject: Re: Ultimate tube tester
Message-ID: <199507281431.AA19194@elvis.b11.ingr.com>

> Ref:
> >>What we need is a Pentium based tube tester...it would show
> >>characteristic curves as well as gm, leakage, etc.
> ======
<snip>
> have thoughts on this (or has someone already done it)? Did any of the
> commercial tube curve tracers have outputs to drive X-Y recorders?
>
> 73, John Martin
>

I've been giving this some consideration lately, although I haven't really had time to mess with it. Having a computer do this would have a some benefits:

generation of Gm, rp, mu plots would be easy

matching across multiple tubes could be easier

the hassles of dealing with graphics output is usually already taken care of

test setup could be automatically performed from a database

Controlling the test voltages by computer doesn't appear too difficult. Horowitz and Hill's "Art of Electronics" has a design in the chapter on power supplies that uses high-voltage MOSFETS. I think a D/A converter could control that design without too much pain. However, I lack the experience to figure out how to read plate and screen current with a computer, since whatever A/D converter used would have to be floated at plate or screen voltage. This is probably not that difficult to do; I just don't have any experience in this area. I'm also not sure what the best way is to do other useful tests, such as noise, microphonics, element capacitance, etc., without requiring that the instrumentation (including converters) be fast (expensive). This sounds like one for the instrumentation gurus around here.

Some useful things that the gizmo could do:

- dynamic parameter (G_m , r_p , μ) plots
- static parameter plots
- plate characteristic plots (scalable)
- transfer characteristic plots (scalable)
- noise
- interelectrode capacitance
- microphonics
- gas
- leakage
- filament voltage margining for life estimate (a la Hicock..)
- ability to test complex tubes, such as pentagrid mixers
- compare multiple tubes

I suspect that the later Tek curve tracers had HPIB (488) interfaces. One of these might be usable for some of the tests, although they ain't cheap, even on the used market.

Dan Kerl
dlkerl@ingr.com

From boatanchors@theporch.com Fri Jul 28 16:21:00 1995
From: jmartin@hrlban1.aircrew.asu.edu
Subject: Ultimate tube tester
Message-ID: <SA39+LID4ka@hrlban1.alhra.af.mil>

Ref:

>RE>Ultimate tube tester 7/28/95
>Why not locate a Tektronix 570 characteristics tracer? I have one, and it is
>fabulous for matching tubes, as well as characterizing unknown types.
=====

I've been looking for one, and will continue to do so. The Tek 570 would be a very good solution.

73, John Martin

From boatanchors@theporch.com Fri Jul 28 16:21:00 1995
From: John Shriver <jas@shiva.com>
Subject: Re: Ultimate tube tester
Message-ID: <199507281439.KAA26914@shiva-dev.shiva.com>

There have been articles in some of the audio mags (Audio Amateur or Glass Audio) on making a tube curve tracer. Just a step generator for the grid, and a half wave supply for the plate. The scope vertical goes across the plate load resistor (poor man's ammeter), the horizontal goes to the B+. They didn't do any blanking, big bright phosphor-burning dot at 0,0.

They just used a scope camera. Scope cameras are sure cheap (I've got 3 of them: Tek C-12, C-27, and HP 197A, each of which cost \$15), but Polaroid pack film sure as hell isn't cheap (over \$1 a shot).

The Tek 570 certainly doesn't have an output for X/Y recorder.

Can the X/Y recorders go fast enough to keep up with 60 Hz? I think all tube curve tracers just use half-wave AC for the plate voltage sweep.

From boatanchors@theporch.com Fri Jul 28 17:50:00 1995
From: swgate3!STLMAIL7!MK2331@wuarchive.wustl.edu
Subject: Wanted: DX60 information
Message-ID: <m0sbwEF-0000qEC@swgate3>

Microsoft Mail v3.0 IPM.Microsoft Mail.Note
From: KASTIGAR, MATTHEW (MM)
Subject: Wanted: DX60 information
From boatanchors@theporch.com Fri Jul 28 09:14:00 1995
From: "Dave Emery" <die@pig.die.com>
Subject: Re: Was: RTTY model 15's
Message-ID: <9507280616.AA02185@pig.die.com>

>
> Also, if anyone reads this, please email me at DAN.POORMAN@LSJ.COM
> I am convinced my replies are not making it to the list.
>

I've got it here ...

And I used to copy some of that 6 level AP TTS stuff back years ago (late 60's) off of a military HF vft circuit to the canal zone in Panama and later off satellite.

I haven't seen a model 20 in years and years ... but I do remember seeing the narrow paper in the local newspaper newroom.

I'm convinced that the smart BA type with an eye to future and a large storage facility of some sort ought to start collecting TTY machines - I'm sure that like old tick-tock clocks they are interesting enough mechanisms and historically important enough so that some day in the not too distant future they will be sought after antiques.

Dave Emery N1PRE

From boatanchors@theporch.com Fri Jul 28 09:14:00 1995
From: ac082@freenet.carleton.ca (Charles Hunter)
Subject: Re: Was: RTTY model 15's
Message-ID: <199507280651.CAA09490@freenet3.carleton.ca>

In a prior posting Dave Emery said:

> I'm convinced that the smart BA typewith an eye to future and
>a large storage facility of some sort ought to start collecting TTY
>machines.

Not likely in Canada:

At CN-CP Telco in the late 1970s, after donating some machines to ham radio, the order came down from the top to destroy all obsolete machines and garbage the parts inventories secretly. The machines, 14s, 15s, 19s and some 28s were compacted and the parts went in the dumpster. Employees were warned not to tip off any scroungers on penalty of job loss. It seems that someone was afraid the machines would be recycled and put in use as competition. I saw a warehouse of them scrapped in Ottawa.

It was my understanding that CN-CP had been informed by Teletype Corp that parts would no longer be available for those machines.

Now about the 32's, 33's that replaced themI don't know.

73's
Charlie

--

ac082@freenet.carleton.ca (Charles Hunter)

From boatanchors@theporch.com Fri Jul 28 16:21:00 1995
From: jml@spider.lloyd.com (Jim Lockwood)
Subject: WTB: Astatic JT-30 microphone
Message-ID: <m0sbpMe-0010KMC@spider.lloyd.com>

Anybody got one of these they want to get rid of? A very "cost effective" mike for budget conscious hams when they were being produced, these things were everywhere! There must still be one (or more) "out there". Cosmetics are not of prime importance, but the crystal element must be in good condition.

If you have one that wants a new home, let me know.

Thanks,

Jim - km6nk

From boatanchors@theporch.com Fri Jul 28 17:50:00 1995
From: tech@cs.athabascau.ca (Richard Loken)
Subject: re: WTB: Astatic JT-30 microphone
Message-ID: <m0sbuqN-0018KQC@aupair.cs.athabascau.ca>

Can't find a JT-30 Jim?

All the harp players have them. I even saw one on the Letterman Show a month or so ago. Musicians of such a bent will pay \$40.00 and much more for them.

I have a JT-30 with a stand for my DX100, I view it with more respect then I used to.

Richard Loken VE6BSV, Systems Programmer - VMS : "...underneath those
Athabasca University : tuques we wear, our heads
Athabasca, Alberta Canada : are naked!"
** tech@cs.athabascau.ca ** : - Arthur Black